

CO-PO REPORT OF MATHEMATICS (AIDED)

Sl. No.	Course Code	Name of Course	Teacher- in- charge
1	CC19PMTH2C06	Algebra II	Dr. Seena V
2	CC19PMTH2C07	Real Analysis II	Tintumol Sunny Merin Mathew
3	CC19PMTH2C08	Topology	Gifty Thomas
4	CC19PMTH2C09	ODE & Calculus of Variations	Tintumol Sunny Neethu Maria Josson
5	CC19PMTH2C010	Operations Research	Fr. (Dr). Vincent N S



CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125

Program(s) : PG - MSc - M.Sc. Mathematics (Aided)	Department(s) : MATHEMATICS	Batch(s) : MSC MATHS 2022 - S2
Course Community : CC19PMTH2C06 MSC MATHS 2022 S2	Faculty(s) : Dr. Seena V	Course : Algebra II

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMMS008	ATHULIA MURALI	80	71.47	62.93	80	65.37
2	CCAWMMS009	ATHULYA P R	64	80	54.4	80	41.6
3	CCAWMMS010	CHRISTEENA MARIYA FRANCIS	100	88.36	87.2	100	94.51
4	CCAWMMS011	HIZANA. V.H	100	100	100	100	100
5	CCAWMMS012	JASNA VARGHESE	75.06	77.3	78.72	14.72	51.29
6	CCAWMMS013	JISHA MARY SAJIMON	80	80	67.2	80	80
7	CCAWMMS014	JOSNA J MANJALY	65.23	87.98	73.76	99.36	88.39
8	CCAWMMS015	NEERAJA T.D.	43.95	70.08	61.01	78.08	46.79
9	CCAWMMS016	ROSH KRISHNA V	85.92	84.5	34.72	98.72	47.52
10	CCAWMMS001	ALFEE P R	57.6	44.8	38.4	64	42.67

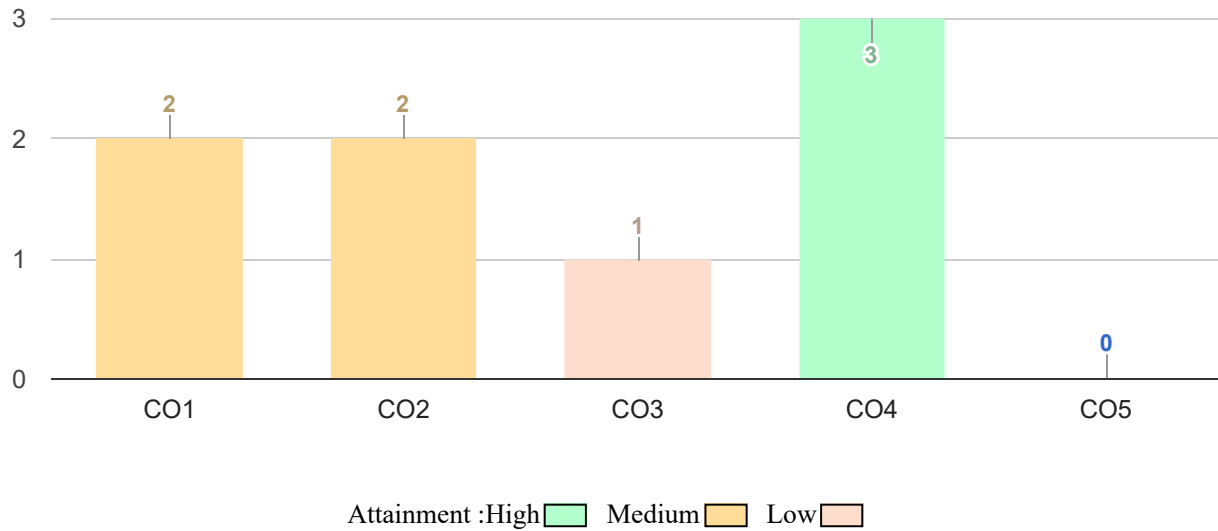
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
11	CCAWMMS002	ANITTA RAJESH	66.08	82.95	98.08	89.55	92.96
12	CCAWMMS003	ANJANA V R	27.52	55.96	40.32	78.72	44.59
13	CCAWMMS004	ANJANA VATTATHU AJAYGHOSH	63.45	58.88	39.68	78.08	59.79
14	CCAWMMS005	ANJU .M.S	93.6	87.2	79.52	100	89.03
15	CCAWMMS006	ANJU SIBI	27.41	27.41	34.08	34.08	27.41
16	CCAWMMS007	APARNA.K.M	33.28	55.97	26.88	14.08	29.44

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	11	11	9	13	7
Percentage of students with CO value greater than 60	68.75	68.75	56.25	81.25	43.75
Average	66.44	72.05	61.06	74.34	62.59
Attainment Level	2.00	2.00	1.00	3.00	0
Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>					

CO Attainment Levels



CO List	
CO Code	Description
CO1	Describe the properties of prime and maximal ideals
CO2	Apply properties of finite fields and Summarize constructible numbers
CO3	Apply various properties of extension fields
CO4	Describe isomorphism extension theorem and conjugation isomorphism theorems and their applications
CO5	Discuss splitting fields, separable extensions, cyclotomic extensions, Galois group



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Program(s) : PG - MSc - M.Sc. Mathematics (Aided)	Department(s) : MATHEMATICS	Batch(s) : MSC MATHS 2022 - S2
Course Community : CC19PMTH2C07 MSC MATHS 2022 S2	Faculty(s) : Tintumol Sunny', 'Merin Mathew	Course : Real Analysis II

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMMS008	ATHULIA MURALI	100	77.24	89.33	84.87	36
2	CCAWMMS009	ATHULYA P R	65.44	50.45	43.8	79.09	57.76
3	CCAWMMS010	CHRISTEENA MARIYA FRANCIS	90.19	74.54	79.52	60.32	36.85
4	CCAWMMS011	HIZANA. V.H	100	100	91.47	91.47	89.33
5	CCAWMMS012	JASNA VARGHESE	91.47	78.67	80.8	48.8	44.27
6	CCAWMMS013	JISHA MARY SAJIMON	81.65	85.92	83.79	66.72	88.05
7	CCAWMMS014	JOSNA J MANJALY	88.27	54.13	64.8	71.2	64.8
8	CCAWMMS015	NEERAJA T.D.	48.59	47.16	46.88	57.12	31.52
9	CCAWMMS016	ROSH KRISHNA V	60.75	69.28	56.48	59.68	30.88
10	CCAWMMS001	ALFEE P R	55.47	48.36	43.52	38.4	12.8

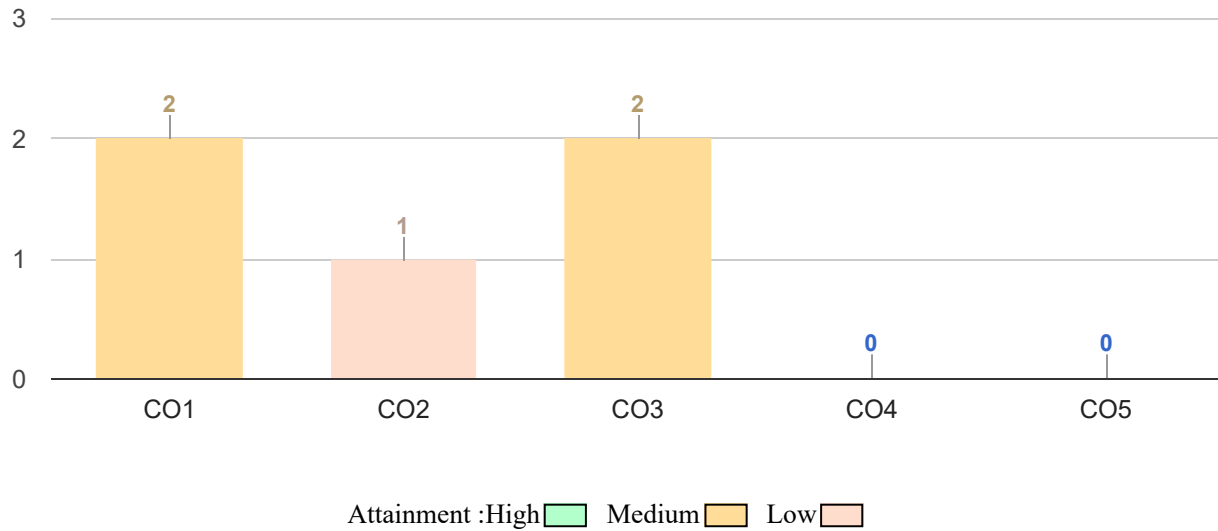
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
11	CCAWMMS002	ANITTA RAJESH	98.08	61.1	72.48	46.88	72.48
12	CCAWMMS003	ANJANA V R	49.81	60.48	51.95	56.21	49.81
13	CCAWMMS004	ANJANA VATTATHU AJAYGHOSH	43.2	48.89	62.13	19.47	19.47
14	CCAWMMS005	ANJU .M.S	100	72.98	91.47	95.73	65.87
15	CCAWMMS006	ANJU SIBI	37.92	34.63	26.13	26.13	26.13
16	CCAWMMS007	APARNA.K.M	33.81	34.54	61.97	23.57	23.57

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	10	9	10	7	5
Percentage of students with CO value greater than 60	62.5	56.25	62.5	43.75	31.25
Average	71.54	62.4	65.41	57.85	46.85
Attainment Level	2.00	1.00	2.00	0	0
Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>					

CO Attainment Levels



CO List	
CO Code	Description
CO1	Discuss about Lebesgue measurable sets
CO2	Describe Lebesgue measurable functions and discuss their properties
CO3	Derive general Lebesgue integration and discuss the properties of Lebesgue integration
CO4	Discuss about monotone functions, functions of BV, absolute continuity, integrating derivatives and convex functions
CO5	Explain the completeness and approximation of L_p spaces



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Program(s) : PG - MSc - M.Sc. Mathematics (Aided)	Department(s) : MATHEMATICS	Batch(s) : MSC MATHS 2022 - S2
Course Community : CC19PMTH2C08 MSC MATHS 2022 S2	Faculty(s) : Gifty Thomas	Course : Topology

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMMS008	ATHULIA MURALI	75.59	60.96	88.69	67.94	73.76
2	CCAWMMS009	ATHULYA P R	71.2	58.4	64.8	64.22	71.2
3	CCAWMMS010	CHRISTEENA MARIYA FRANCIS	84.73	60.96	69.11	95.09	86.56
4	CCAWMMS011	HIZANA. V.H	95.7	99.36	99.36	99.36	99.36
5	CCAWMMS012	JASNA VARGHESE	70.13	61.6	78.67	77.89	29.33
6	CCAWMMS013	JISHA MARY SAJIMON	76.24	60.96	71.36	63.6	92.69
7	CCAWMMS014	JOSNA J MANJALY	78.61	60.32	62.45	73.12	98.72
8	CCAWMMS015	NEERAJA T.D.	68.73	70.56	46.12	61.25	32.16
9	CCAWMMS016	ROSH KRISHNA V	45.6	45.6	56.53	65.38	32.8
10	CCAWMMS001	ALFEE P R	38.19	27.52	59.52	55.45	14.72
11	CCAWMMS002	ANITTA RAJESH	86.77	59.04	69	84.64	33.44
12	CCAWMMS003	ANJANA V R	34.1	26.13	36.37	35.64	26.13

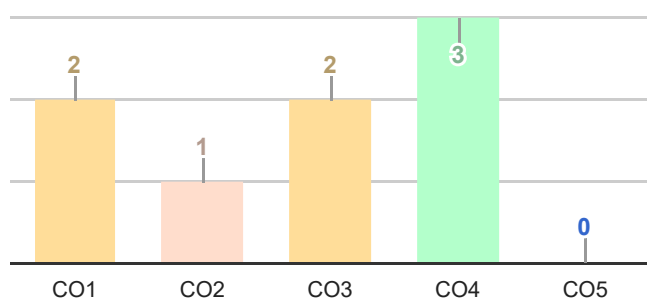
CO PO ATTAINMENT Report

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#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
13	CCAWMMS004	ANJANA VATTATHU AJAYGHOSH	80.98	97.44	93.95	86.12	33.44
14	CCAWMMS005	ANJU .M.S	93.87	99.36	99.36	80.16	99.36
15	CCAWMMS006	ANJU SIBI	34.82	48.8	35.15	36	29.33
16	CCAWMMS007	APARNA.K.M	29.76	25.49	79.09	47.6	38.29

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	11	9	11	12	7
Percentage of students with CO value greater than 60	68.75	56.25	68.75	75	43.75
Average	66.56	60.16	69.35	68.34	55.71
Attainment Level	2.00	1.00	2.00	3.00	0
Attainment :High Medium Low 					

CO Attainment Levels



Attainment :High Medium Low

CO List

CO Code	Description
CO1	Recall the basic concepts of topological spaces and its properties
CO2	Describe the concept of Quotient Spaces
CO3	Discuss the Spaces having Special Properties
CO4	Explain the Spaces using Separation Axioms
CO5	Discuss Urysohn characterization of normality and Tietze characterization of normality



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Course Community : CC19PMTH2C09 MSC MATHS 2022 S2	Faculty(s) : Tintumol Sunny', Neethu Maria Josson	Course : ODE & Calculus of Variations

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMMS008	ATHULIA MURALI	98.72	98.72	73.12	91.04	98.72
2	CCAWMMS009	ATHULYA P R	77.87	32.16	60.96	66.29	32.16
3	CCAWMMS010	CHRISTEENA MARIYA FRANCIS	87.2	88.3	71.84	92.32	97.44
4	CCAWMMS011	HIZANA. V.H	80	80	80	80	80
5	CCAWMMS012	JASNA VARGHESE	98.72	98.72	90.19	90.19	98.72
6	CCAWMMS013	JISHA MARY SAJIMON	100	100	100	94.88	100
7	CCAWMMS014	JOSNA J MANJALY	76.32	96.8	79.73	62.67	96.8
8	CCAWMMS015	NEERAJA T.D.	85.28	77.23	31.52	44.32	31.52

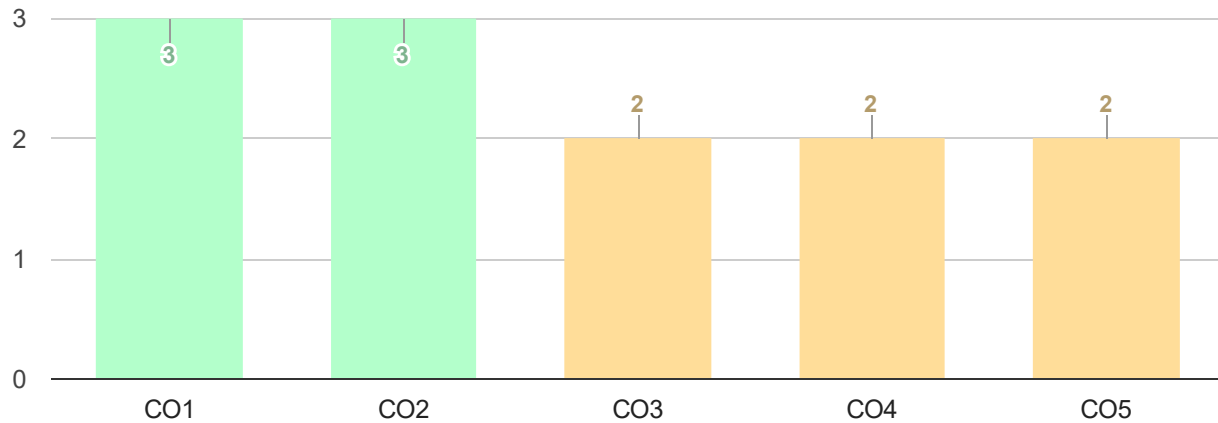
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#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
9	CCAWMMS016	ROSH KRISHNA V	97.44	59.04	63.31	59.04	97.44
10	CCAWMMS001	ALFEE P R	60.34	76.8	38.4	25.6	25.6
11	CCAWMMS002	ANITTA RAJESH	98.08	94.42	85.28	68.21	85.28
12	CCAWMMS003	ANJANA V R	52.37	26.77	55.84	59.04	65.17
13	CCAWMMS004	ANJANA VATTATHU AJAYGHOSH	75.5	90.13	26.13	38.93	26.13
14	CCAWMMS005	ANJU .M.S	100	100	100	79.52	100
15	CCAWMMS006	ANJU SIBI	83.73	88.85	26.45	29.12	63.25
16	CCAWMMS007	APARNA.K.M	40.85	43.14	61.39	81.17	24.85

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	14	12	11	10	11
Percentage of students with CO value greater than 60	87.5	75	68.75	62.5	68.75
Average	82.03	78.19	65.26	66.4	70.19
Attainment Level	3.00	3.00	2.00	2.00	2.00
Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>					

CO Attainment Levels



Attainment :High █ Medium █ Low █

CO List	
CO Code	Description
CO1	Solve differential equations using techniques such as power series method, Frobenius series method, etc
CO2	Analyze the properties of Legendre Polynomials and Bessel functions
CO3	Solve systems of first-order differential equation
CO4	Analyze the nature and stability propertes of the critical points
CO5	Formulate and analyze problems and soultions using the knowledge of calculus of variation,oscillation theory, boundary value problems



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Program(s) : PG - MSc - M.Sc. Mathematics (Aided)	Department(s) : MATHEMATICS	Batch(s) : MSC MATHS 2022 - S2
Course Community : CC19PMTH2C10 MSC MATHS 2022 S2	Faculty(s) : Fr. (Dr). Vincent N S	Course : Operations Research

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMMS008	ATHULIA MURALI	95.73	89.03	96.8	61.6	84.36
2	CCAWMMS009	ATHULYA P R	60.32	64.59	95.06	34.72	73.12
3	CCAWMMS010	CHRISTEENA MARIYA FRANCIS	91.04	80.8	87.52	60.32	87.34
4	CCAWMMS011	HIZANA. V.H	93.6	98.72	95.77	73.12	98.72
5	CCAWMMS012	JASNA VARGHESE	87.2	95.73	96.34	36	95.73
6	CCAWMMS013	JISHA MARY SAJIMON	92.32	100	93.6	67.73	95.73
7	CCAWMMS014	JOSNA J MANJALY	88.48	75.68	82.08	60.32	91.61
8	CCAWMMS015	NEERAJA T.D.	65.44	83.36	74.72	43.25	78.81

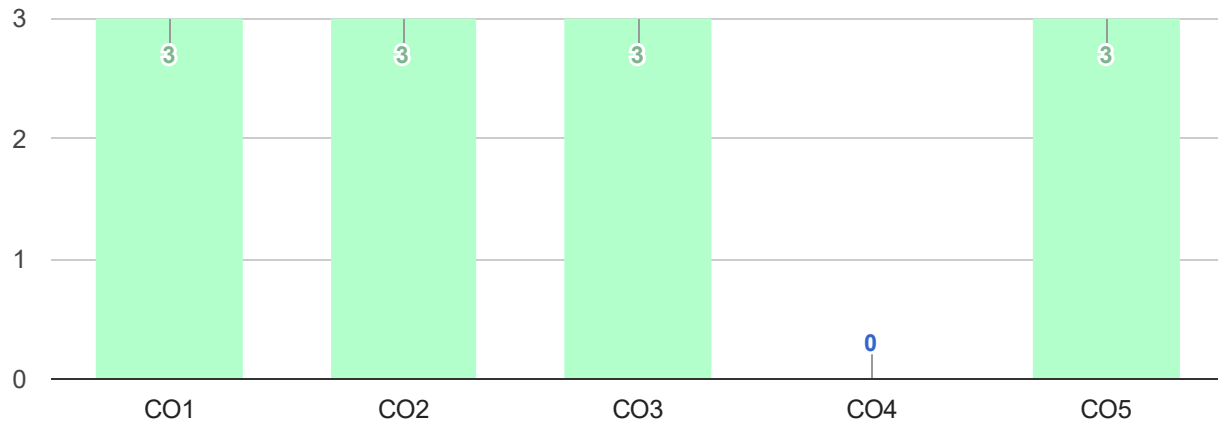
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
9	CCAWMMS016	ROSH KRISHNA V	59.04	59.04	93.78	59.04	81.8
10	CCAWMMS001	ALFEE P R	34.77	18.56	68.3	13.44	63.22
11	CCAWMMS002	ANITTA RAJESH	75.68	91.04	95.06	34.72	91.61
12	CCAWMMS003	ANJANA V R	34.72	79.25	81.22	28.05	28.05
13	CCAWMMS004	ANJANA VATTATHU AJAYGHOSH	70.72	85.65	73.77	92.05	80.85
14	CCAWMMS005	ANJU .M.S	74.4	68.91	95.2	65.87	91.47
15	CCAWMMS006	ANJU SIBI	72.85	85.92	92.05	28.05	72.85
16	CCAWMMS007	APARNA.K.M	53.65	47.52	65.81	55.2	82.72

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	12	13	16	7	15
Percentage of students with CO value greater than 60	75	81.25	100	43.75	93.75
Average	71.87	76.49	86.69	50.84	81.12
Attainment Level	3.00	3.00	3.00	0	3.00
Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>					

CO Attainment Levels



Attainment :High █ Medium █ Low █

CO List	
CO Code	Description
CO1	Formulate a real-life problem as a mathematical programming model in general, standard and canonical forms
CO2	Solve by optimizing the linear programming problem using various method
CO3	Discuss integer programming problems, transportation problems and sensitivity analysis
CO4	Analyse the concepts of scheduling of sequential activities and flow in network analysis
CO5	Discuss the concepts related to theory of games and illustrate the rectangular game as a linear programming problem